

Comparisons of Job Characteristics

Focus Occupation: [Environmental Science and Protection Technicians, Including Health \(19-4091\)](#)

Associated Occupation: [Hazardous Materials Removal Workers \(47-4041\)](#)

[Compare Knowledge](#)

[Compare Skills](#)

[Compare Abilities](#)

[Compare Detailed Work Activities](#)

[Compare Tools and Technologies](#)

<<	Focus occupation element is much lower
<	Focus occupation element is lower
0	Focus occupation element is at a similar level
>	Focus occupation element is at a higher level
>>	Focus occupation element is at a much higher level

Knowledge

Similarity of Focus Occupation to Associated Occupation: 52

Focus Occupation: Environmental Science and Protection Technicians, Including Health (19-4091)

Associated Occupation: Hazardous Materials Removal Workers (47-4041)

Associated Occupation's Key Knowledge Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Chemistry	4.8	14.6	13.2	< Expanded education and/or training may be required
Mechanical	6.8	11.5	8.5	<< Extensive education and/or training may be required
Transportation	4.6	8.4	5.7	<< Extensive education and/or training may be required
Building and Construction	4.0	7.1	6.8	0 Current knowledge level may be sufficient

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Skills

Similarity of Focus Occupation to Associated Occupation: 69

Focus Occupation: Environmental Science and Protection Technicians, Including Health (19-4091)

Associated Occupation: Hazardous Materials Removal Workers (47-4041)

Associated Occupation's Key Skills Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation
Operation and Control	5.4	10.3	8.5	< A higher skill level may be required
Operation Monitoring	6.6	9.7	9.1	0 Current skill level may be sufficient
Troubleshooting	4.5	7.3	6.3	< A higher skill level may be required
Equipment Maintenance	3.5	6.7	5.3	< A higher skill level may be required
Equipment Selection	3.3	6.2	4.7	< A higher skill level may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Abilities

Similarity of Focus Occupation to Associated Occupation: 82

Focus Occupation: Environmental Science and Protection Technicians, Including Health (19-4091)

Associated Occupation: Hazardous Materials Removal Workers (47-4041)

Associated Occupation's Key Abilities Elements	Average Rating, All Occupations	Associated Occupation's Rating	Focus Occupation's Rating	Evaluation of Focus Occupation	
Control Precision	6.6	12.9	8.1	<<	Extensive improvement in abilities may be required
Multilimb Coordination	6.0	12.2	8.2	<<	Extensive improvement in abilities may be required
Depth Perception	5.3	10.1	6.7	<<	Extensive improvement in abilities may be required
Response Orientation	4.0	9.4	5.0	<<	Extensive improvement in abilities may be required
Time Sharing	6.6	8.4	7.3	<	Some improvement in abilities may be required
Rate Control	3.8	8.2	6.7	<	Some improvement in abilities may be required
Spatial Orientation	2.7	5.6	3.9	<<	Extensive improvement in abilities may be required

The maximum possible rating is 25.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Activities that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 58

Focus Occupation: Environmental Science and Protection Technicians, Including Health (19-4091)

Associated Occupation: Hazardous Materials Removal Workers (47-4041)

Work Activities	Exclusivity of Activity
Adhere to safety procedures	12
Follow safe waste disposal procedures	50
Maintain records, reports, or files	5
Prepare reports	8
Use government regulations	44

Not all positions in these occupations will necessarily perform all of the listed activities. The exclusivity rating is an indication of how unique the activity is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations engage in that activity.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.

Tools and Technologies that Both Occupations Have in Common

Similarity of Focus Occupation to Associated Occupation: 83

Focus Occupation: Environmental Science and Protection Technicians, Including Health (19-4091)

Associated Occupation: Hazardous Materials Removal Workers (47-4041)

Tools and Technologies	Exclusivity
------------------------	-------------

Chemical evaluation instruments and supplies	10
Computer data input devices	2
Computers	1
Content authoring and editing software	1
Data management and query software	1
Electrochemical measuring instruments and accessories	9
Gas analyzers and monitors	10
Humidity and moisture measuring instruments	15
Network applications software	1
Pumps	9
Sampling equipment	12
Soil measuring equipment	20
Spectroscopic equipment	10
Viewing and observing instruments and accessories	4

Not all positions in these occupations will necessarily use all of the listed tools and technologies. The exclusivity rating is an indication of how unique the tool or technology is amongst all occupations. The maximum rating is 100. High scores indicate that only a small number of occupations use that tool or technology.

Source: Alaska Department of Labor and Workforce Development, Research and Analysis Section analysis of O*NET (Occupation Information Network) data.